STATUS OF THE CLAIMS

1. (currently amended)   A method for ~~characterizing lung tissue~~ detecting lung cancer in a subject, comprising:

   a)   providing a lung tissue sample; and

   b)   detecting a ~~decreased or~~ increased expression relative to a non-cancerous lung tissue control of a ~~marker selected from the group consisting of AOE372, ATP5D, B4GALT, Ppase, GRP58,~~ GSTM4 polypeptide, ~~P4HB, TPI, and UCHL1,~~ ~~thereby characterizing~~ wherein the presence of increased expression of said GSTM4 polypeptide in said lung tissue sample is indicative of lung cancer in said subject.

2. (original)   The method of claim 1, wherein said expression is increased at least 4.0 fold relative to said non-cancerous lung tissue control.

3. (withdrawn)The method of Claim 1, wherein said detecting the presence of expression of said marker comprises detecting the presence of mRNA corresponding to said marker.

4-7. (canceled)

8-14. (canceled)